

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 10, and 18 as follows, without prejudice or disclaimer to continued examination on the merits:

1. (currently amended): A patient-centric data acquisition protocol selection system, comprising:

a programmable identification tag storing predetermined information about a patient wherein the predetermined information is selectively retrieved therefrom, said predetermined information including at least one prior acquisition protocol;

a medical imaging system in communication with the programmable identification tag;

programming associated with the medical imaging system for automatically selecting an optimal data acquisition protocol; and

a database storing reference information about other patients and data acquisition protocols associated therewith;

wherein the medical imaging system selectively reads the predetermined information from the programmable identification tag and then the programming automatically selects the optimal data acquisition protocol based on the predetermined information about the patient, including said at least one prior acquisition protocol that is stored in the programmable identification tag and the reference information about the other patients and the data acquisition protocols associated therewith that is stored in the database.

2. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the predetermined information comprises at least one of: a patient's name, a patient's address, a patient's age, a patient's phone number, a patient's e-mail address, a patient's gender, a patient's social security number, a patient's height, a patient's weight, a patient's allergies, a patient's medical insurance information, a patient's emergency contact information, a patient's medical history, a patient's contraindications, a previous protocol used on the patient, a patient's previous reactions

to oral or intravenous contrast agents or other medicines, a previous medical image of the patient, information derived from a previous medical image of the patient, a patient's fat percent, a patient's organ location, a patient's bone mineral density, a patient's body composition, a diagnosis from a patient's medical history, a treatment from a patient's medical history, an operator comment on a prior protocol used, and demographic information related to a patient.

3. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the medical imaging system comprises at least one of: an ultrasound system, a magnetic resonance imaging system, an x-ray system, a computed tomography system, a positron emission tomography system, a nuclear medicine system, and combinations thereof.

4. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the programmable identification tag further comprises a security feature capable of restricting access to the identification tag to predetermined systems or individuals.

5. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, further comprising:

updating means for saving new information to the programmable identification tag.

6. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the predetermined information is automatically transferred between the programmable identification tag and the medical imaging system upon the occurrence of a predetermined event.

7. (previously presented): The patient-centric data acquisition protocol selection system of claim 6, wherein the predetermined event comprises at least one of: the programmable identification tag enters a predetermined area, the programmable

identification tag gets within a predetermined distance of a device capable of reading from or writing to the programmable identification tag, the programmable identification tag is connected to the medical imaging system, and upon command.

8. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the programmable identification tag comprises at least one of: a pin, a bracelet, a necklace, a badge, a card, and a patch.

9. (previously presented): The patient-centric data acquisition protocol selection system of claim 1, wherein the programmable identification tag further comprises at least one monitor.

10. (currently amended): A patient-centric data acquisition protocol selection method, comprising the steps of:

providing an identification tag to a patient, the identification tag storing predetermined information about the patient therein and allowing the stored predetermined information about the patient to be retrieved therefrom, said predetermined information including at least one prior acquisition protocol;

selectively transferring the predetermined information about the patient from the identification tag to a medical imaging system;

automatically selecting an optimal data acquisition protocol based on the predetermined information about the patient, including said at least one prior acquisition protocol that is transferred to the medical imaging system from the identification tag and reference information about other patients and data acquisition protocols associated therewith transferred to the medical imaging system from a database;

performing a medical imaging scan of the patient utilizing the optimal data acquisition protocol; and

generating an image of an area of interest of the patient from data acquired during the medical imaging scan.

11. (previously presented): The patient-centric data acquisition protocol selection method of claim 10, wherein the predetermined information comprises at least one of: a patient's name, a patient's address, a patient's age, a patient's phone number, a patient's e-mail address, a patient's gender, a patient's social security number, a patient's height, a patient's weight, a patient's allergies, a patient's medical insurance information, a patient's emergency contact information, a patient's medical history, a patient's contraindications, a previous protocol used on the patient, a patient's previous reactions to oral or intravenous contrast agents or other medicines, a previous medical image of the patient, information derived from a previous medical image of the patient, a patient's fat percent, a patient's organ location, a patient's bone mineral density, a patient's body composition, a diagnosis from a patient's medical history, a treatment from a patient's medical history, an operator comment on a prior protocol used, and demographic information related to a patient.

12. (previously presented): The patient-centric data acquisition protocol selection method of claim 11, wherein the medical imaging system comprises at least one of: an ultrasound system, a magnetic resonance imaging system, an x-ray system, a computed tomography system, a positron emission tomography system, a nuclear medicine system, and combinations thereof.

13. (previously presented): The patient-centric data acquisition protocol selection method of claim 10, further comprising:

storing results of the medical imaging scan of the patient on the identification tag.

14. (previously presented): The patient-centric data acquisition protocol selection method of claim 10, wherein the predetermined information about the patient is transferred between the identification tag and the medical imaging system upon the occurrence of a predetermined event.

15. (previously presented): The patient-centric data acquisition protocol selection method of claim 14, wherein the predetermined event comprises at least one of: the identification tag enters a predetermined area, the identification tag gets within a predetermined distance of a device capable of reading from or writing to the identification tag, the identification tag is connected to the medical imaging system, the identification tag is prompted to transfer predetermined information therefrom, and upon command.

16. (previously presented): The patient-centric data acquisition protocol selection method of claim 10, wherein selecting an optimal data acquisition protocol comprises utilizing programming to automatically select the optimal data acquisition protocol for a given situation.

17. (previously presented): The patient-centric data acquisition protocol selection method of claim 16, wherein the optimal data acquisition protocol is selected based on the predetermined information about the patient that is stored in the identification tag and at least one of: a doctor's desired diagnostic result, and previous data acquisition protocols utilized in similar situations.

18. (currently amended): A medical imaging system, comprising:

an identification tag associated therewith, comprising:

means for storing predetermined information therein, said
predetermined information including at least one prior acquisition
protocol;

means for selectively transferring the predetermined information,
including said at least one prior acquisition protocol to the medical
imaging system upon the occurrence of a predetermined event;

means for selectively transferring reference information from a
database to the medical imaging system; and

means for storing new information in the patient-centric
identification tag; and

programming associated with the medical imaging system for automatically selecting an optimal data acquisition protocol based on the predetermined information, including said at least one prior acquisition protocol that is transferred from the patient-centric identification tag to the medical imaging system and the reference information that is transferred from the database to the medical imaging system.

19. (previously presented): The medical imaging system of claim 18, wherein the means for storing predetermined information therein comprises at least one of: read/write memory and data storage blocks.

20. (previously presented): The medical imaging system of claim 18, wherein the means for selectively transferring the predetermined information to the medical imaging system comprises at least one of the following: a radio frequency transmitter/receiver, an infra-red transmitter/receiver, and a land-based communications cable.

21. (previously presented): The medical imaging system of claim 18, wherein the predetermined information comprises at least one of: a patient's name, a patient's address, a patient's age, a patient's phone number, a patient's e-mail address, a patient's gender, a patient's social security number, a patient's height, a patient's weight, a patient's allergies, a patient's medical insurance information, a patient's emergency contact information, a patient's medical history, a patient's contraindications, a previous protocol used on the patient, a patient's previous reactions to oral or intravenous contrast agents or other medicines, a previous medical image of the patient, information derived from a previous medical image of the patient, a patient's fat percent, a patient's organ location, a patient's bone mineral density, a patient's body composition, a diagnosis from a patient's medical history, a treatment from a patient's medical history, an operator comment on a prior protocol used, and demographic information related to a patient.

22. (previously presented): The medical imaging system of claim 18, wherein the medical imaging system comprises at least one of: an ultrasound system, a magnetic

resonance imaging system, an x-ray system, a computed tomography system, a positron emission tomography system, a nuclear medicine system, and combinations thereof.

23. (previously presented): The medical imaging system of claim 18, wherein the identification tag further comprises a security feature capable of restricting access to the identification tag to predetermined systems or individuals.

24. (previously presented): The medical imaging system of claim 18, wherein the predetermined event comprises at least one of: the identification tag enters a predetermined area, the identification tag gets within a predetermined distance of a device capable of reading from or writing to the identification tag, the identification tag is connected to the medical imaging system, the identification tag is prompted to transfer predetermined information therefrom, and upon command.